APRIL/MAY 2025

# 23USCS33 — FUNDAMENTALS OF INFORMATION TECHNOLOGY (SEC IV)

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Mention any two advantages of using computers in business.
2. What are the two major limitations of a computer?
3. What is a scanner? What are its primary functions?
4. What is an input unit? Give two examples.
5. What is the difference between EPROM and EEPROM?
6. What is a zip drive? How was it used for data storage?
7. What is machine language?
8. What is the purpose of database management system (DBMS) software?

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9. Differentiate an assembler and a compiler.

10. What is multiprogramming?

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Characteristics of a Computer.

Or

(b) Explain the applications of computers in different sectors.

12. (a) What is a plotter? Explain how does it differ from a printer?

Or

(b) Write short notes on voice recognition system.

13. (a) Discuss the data retrieval methods in a storage system.

Or

(b) Differentiate primary storage and secondary storage.



14. (a) Write short notes on word processing software.

Or

(b) Describe the different types of programming languages.

15. (a) Brief the following multitasking and multiprocessing.

Or

(b) Describe the concept of batch processing in Operating Systems.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the role of the Arithmetic Logic Unit (ALU) and Control Unit (CU).

17. Explain the functions of various types of input unit.

18. Discuss the various types of ROM and explain their applications in computing.

19. Explain the various types of software and explain their features.

20. Discuss the different metrics used for measuring system performance.

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